US Army Corps of Engineers
Portland District

Electrical Design

The Portland District Electrical Design Section consists of electrical engineers and trainees working together to provide solutions to engineering challenges for the District and the region.

What We Do

Our specific functions vary widely, but include the following responsibilities:

Perform design investigations and analyses.

Prepare contract documents.

Manage complex multi-disciplined engineering products.

Prepare special studies, reports, manuals, design memorandums and estimates.

Manage A-E contracts and consultants.

Technically lead and manage product teams in support of Life Cycle Project Management.

Prepare inspection and evaluation of the electrical aspects of dam safety of civil works structures.

Bonneville Generator Rewind

Experience and Expertise

The Section offers a broad range of civil works engineering and design experience, coupled with a long successful history of working with other Corps resources (districts and the Hydroelectric Design Center) and the architectural engineering community. The District currently has several multidisciplinary open-ended contracts for engineering services.

- AE Contracting
- Navigation Locks
- Dams, Intake Towers, Spillways and Outlet Works
- Fish Passage, Collection and Monitoring Facilities
- Recreation Facility Design
- Visitor Centers
- Power Distribution (up to 15 kV) Underground and Overhead
- Motor Control Centers
- Interior & Exterior Lighting
- Automated Control Systems
- Gantry and Bridge Cranes
- Gate Operators
- CADD
- Programmable Logic Controllers
- Utility Relocations
- Medium Voltage Switchgear
- CCTV Systems
- Electrical Forensics
- Communications Systems
- HMI Interface

How to reach us:

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